

Data File : VW008736.D
Acq On : 18 Feb 2019 18:40
Operator : SY/VA
Sample : K1518-11RE
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Quant Time: Feb 19 03:32:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	546112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	193286	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.88	113	173788	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.32	98	645021	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.62	95	197449	40.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.20%	

Target Compounds

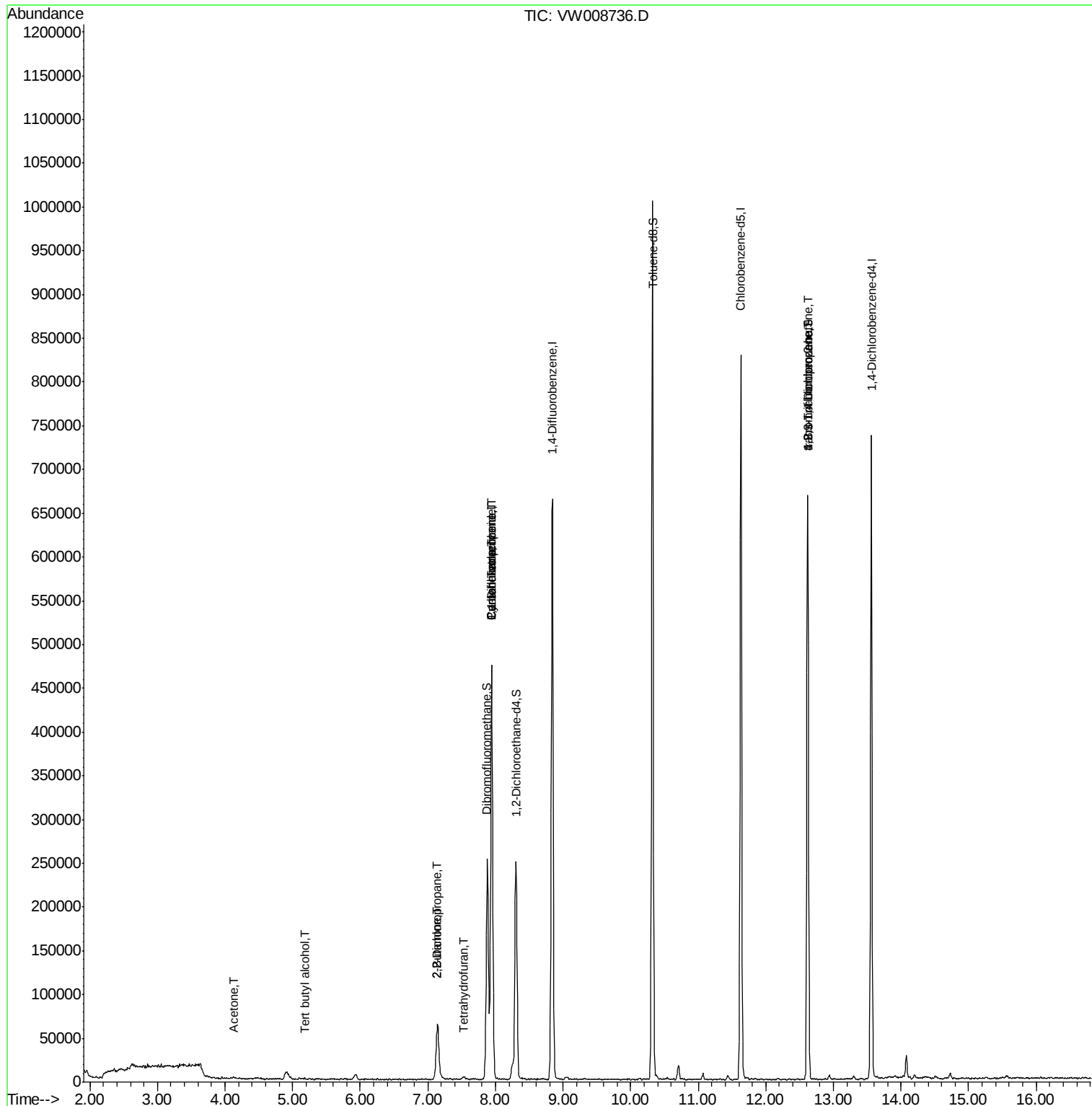
						Qvalue
11) Tert butyl alcohol	5.17	59	443	1.470	ug/l #	72
16) Acetone	4.13	43	3504	4.087	ug/l	90
20) Methylene Chloride	4.92	84	7768	Below Cal	#	81
25) 2-Butanone	7.13	43	1623	1.341	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	4813	1.129	ug/l #	52
29) Tetrahydrofuran	7.52	42	2271	2.846	ug/l #	36
31) Cyclohexane	7.95	56	7780	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25739	4.691	ug/l #	53
38) Carbon Tetrachloride	7.95	117	34972	6.410	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	104523	57.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104523	122.552	ug/l #	7

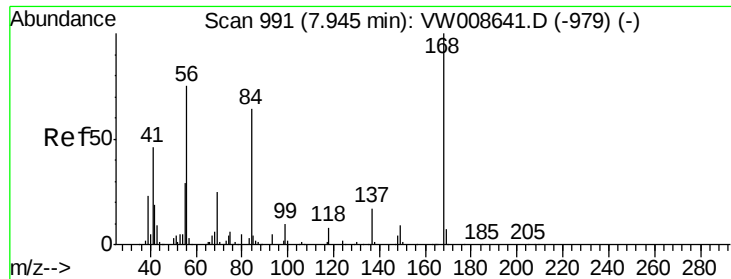
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

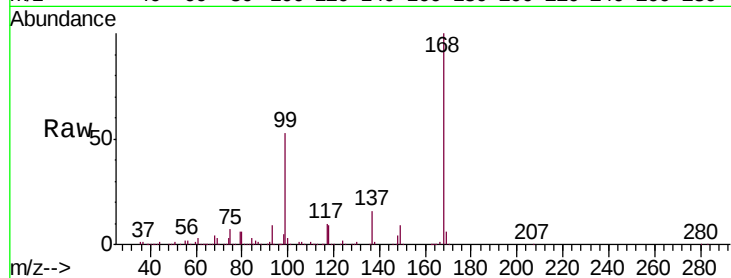
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion:168 Resp: 362407

Ion Ratio Lower Upper

168 100

99 52.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

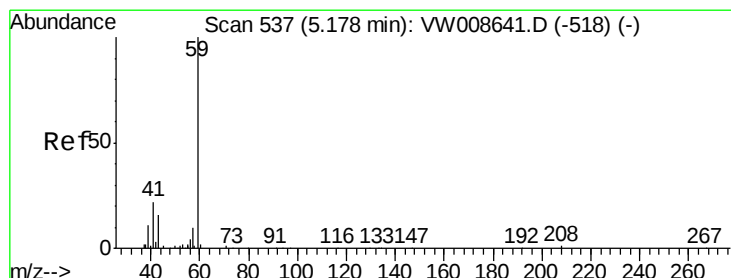
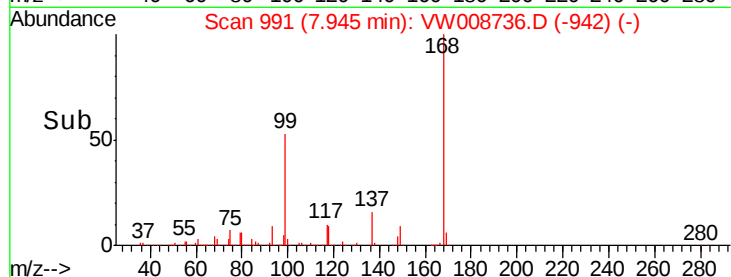
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.470 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW008736.D

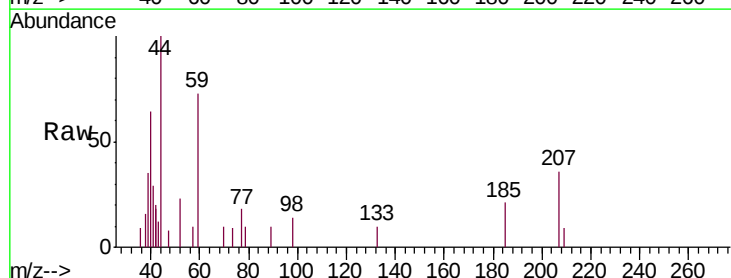
Acq: 18 Feb 2019 18:40

Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

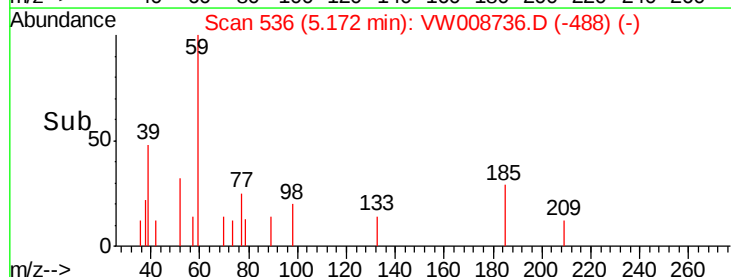
300

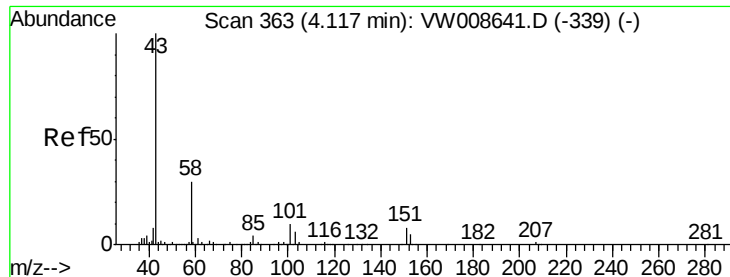
200

100

0

Time--> 5.14 5.16 5.18





#16

Acetone

Concen: 4.087 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

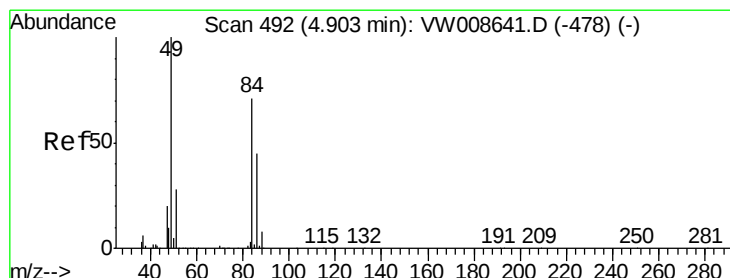
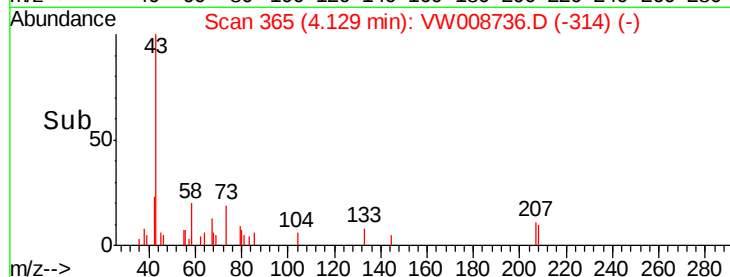
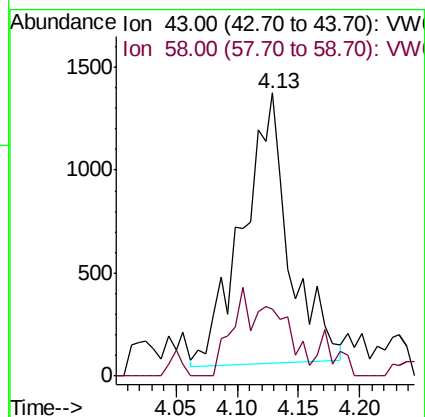
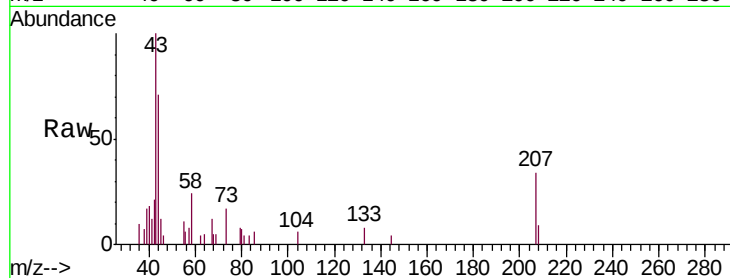
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion: 43 Resp: 3504

Ion Ratio Lower Upper

43 100

58 24.9 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Tgt Ion: 84 Resp: 7768

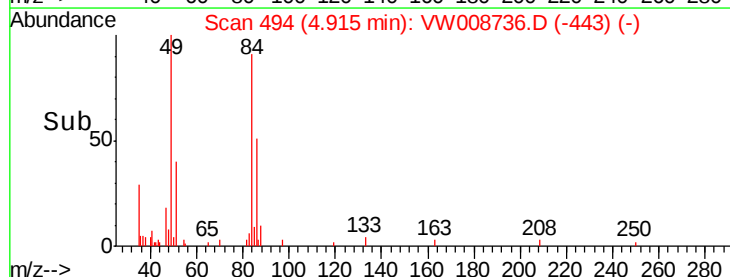
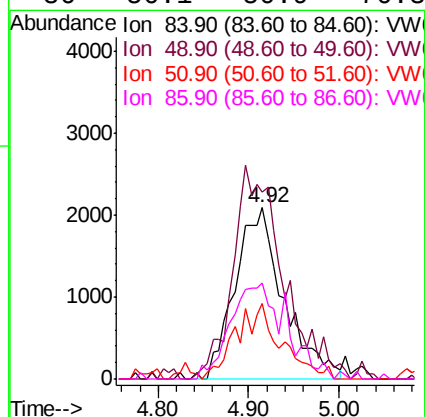
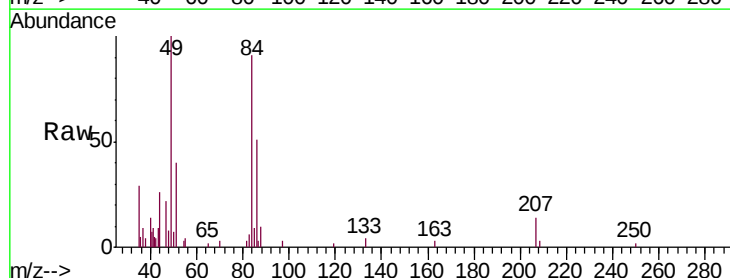
Ion Ratio Lower Upper

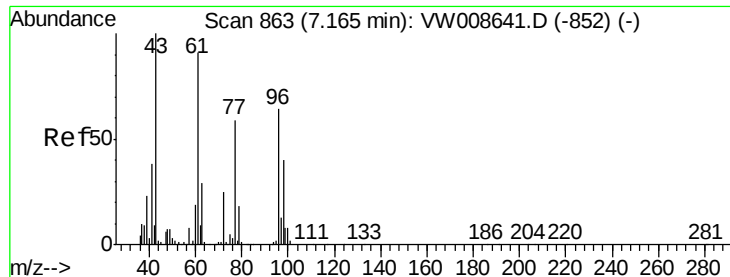
84 100

49 109.4 113.3 169.9#

51 43.9 32.1 48.1

86 56.1 50.9 76.3





#25

2-Butanone

Concen: 1.341 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

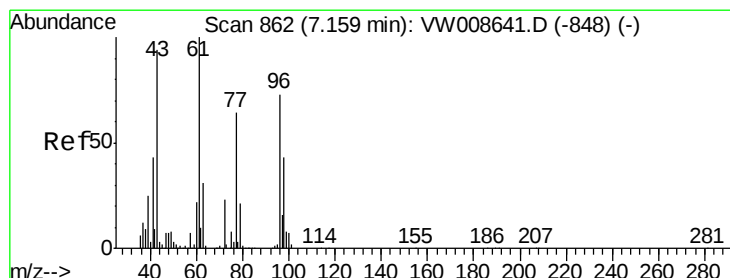
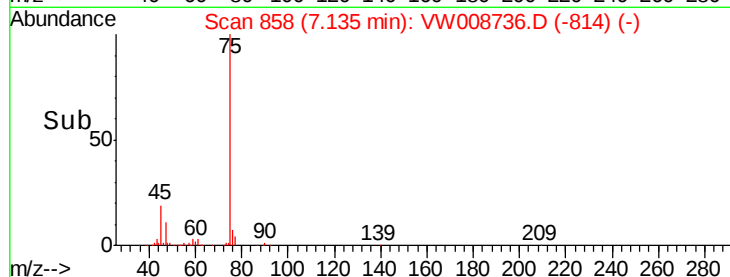
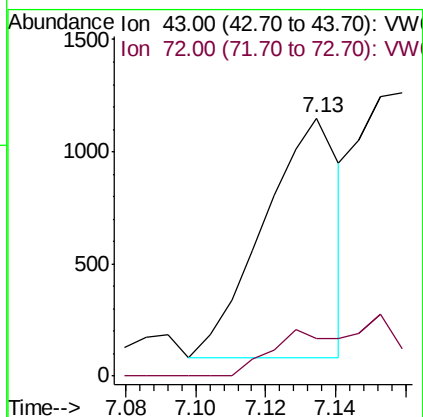
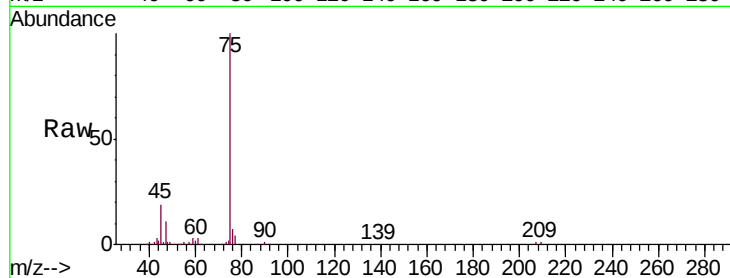
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion: 43 Resp: 1623

Ion Ratio Lower Upper

43 100

72 15.4 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.129 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW008736.D

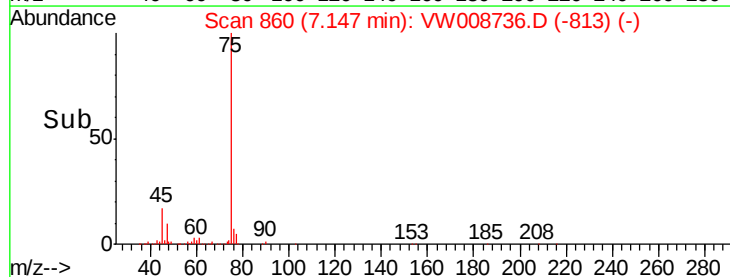
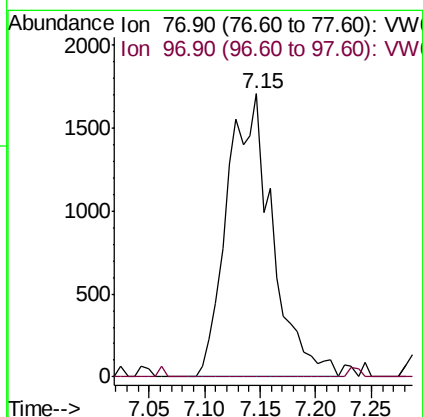
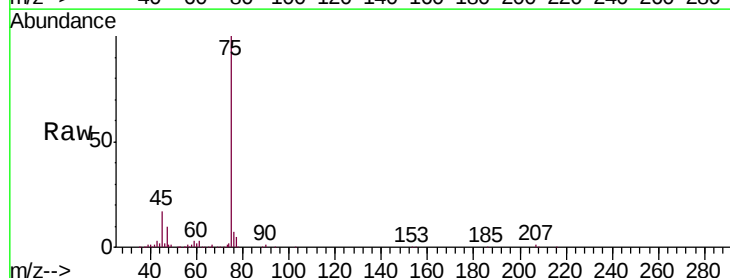
Acq: 18 Feb 2019 18:40

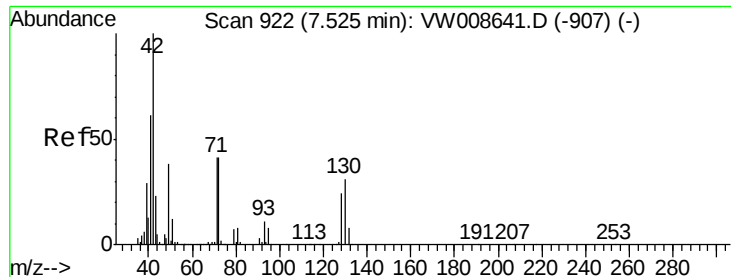
Tgt Ion: 77 Resp: 4813

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

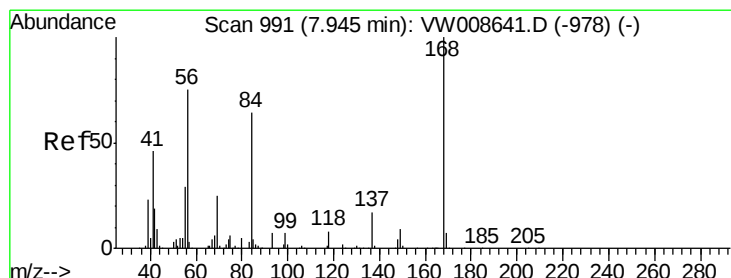
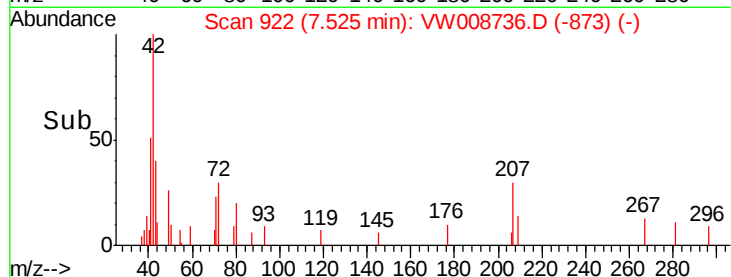
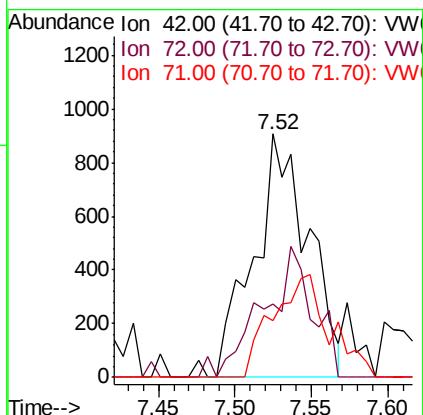
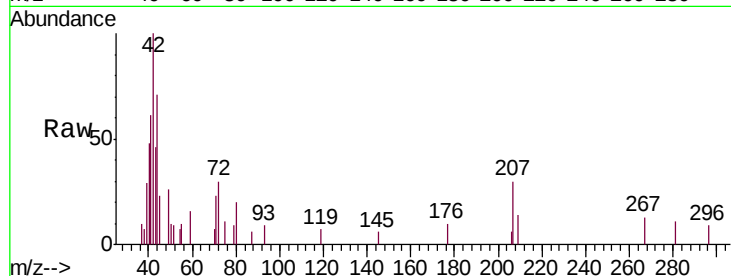




#29
Tetrahydrofuran
Concen: 2.846 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

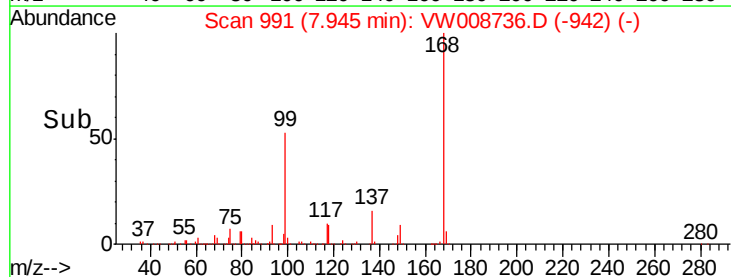
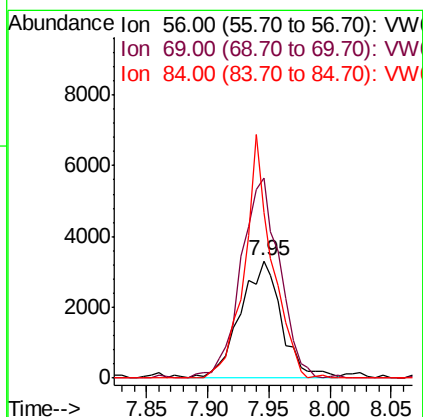
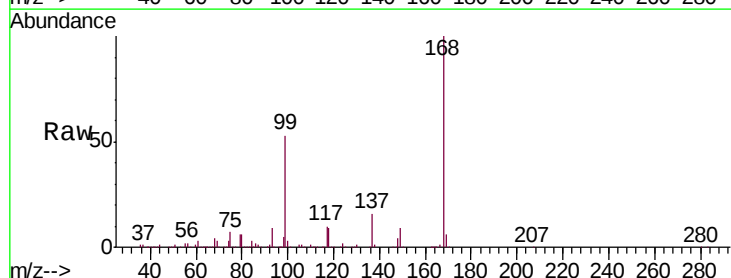
Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

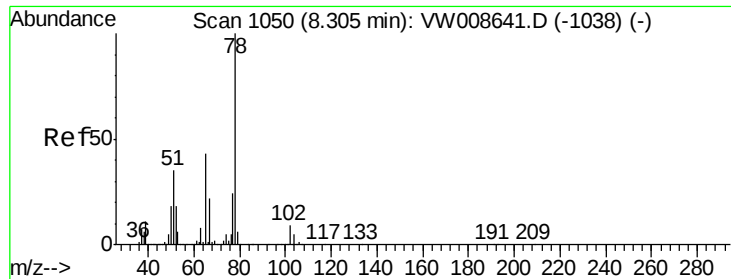
Tgt Ion: 42 Resp: 2271
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 31.0 46.6#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

Tgt Ion: 56 Resp: 7780
Ion Ratio Lower Upper
56 100
69 171.0 26.4 39.6#
84 142.0 67.4 101.2#

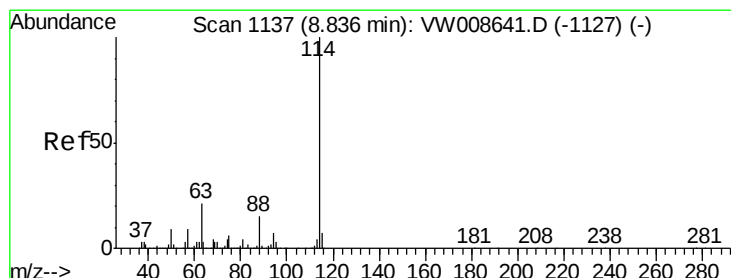
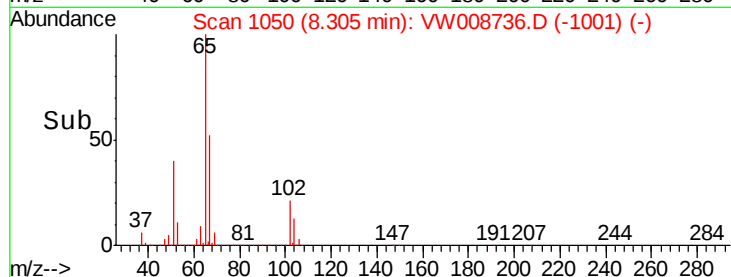
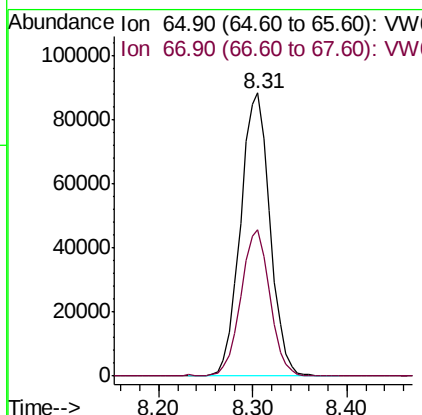
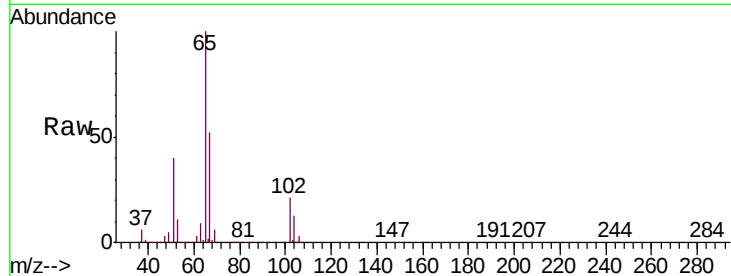




#33
 1,2-Dichloroethane-d4
 Concen: 51.301 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008736.D
 Acq: 18 Feb 2019 18:40

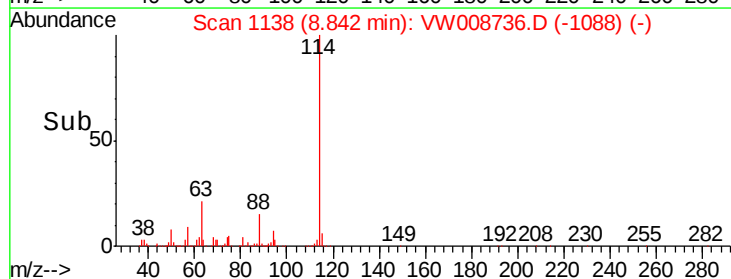
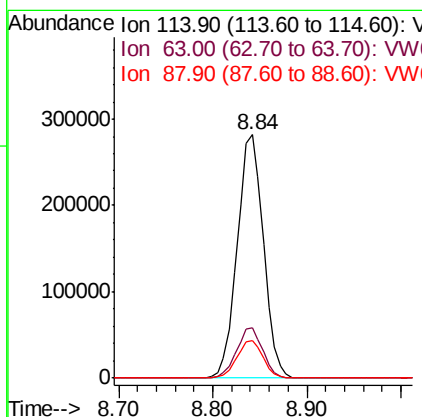
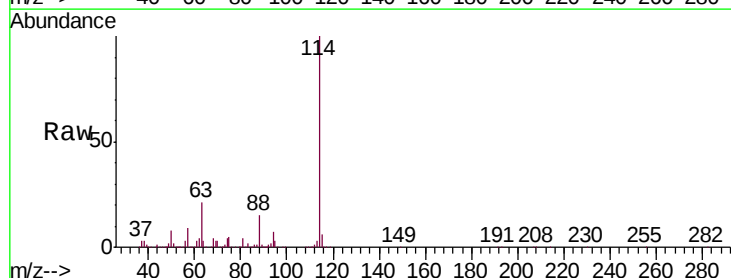
Instrument :
 MSVOA_W
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

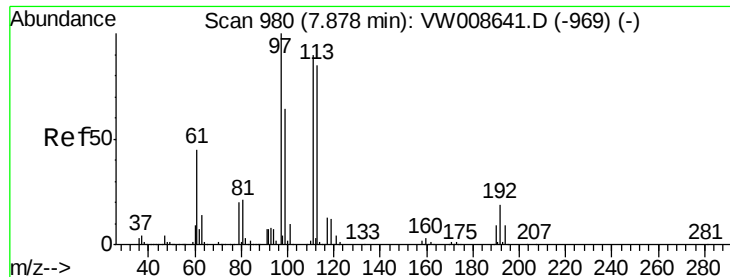
Tgt Ion: 65 Resp: 193286
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008736.D
 Acq: 18 Feb 2019 18:40

Tgt Ion: 114 Resp: 546112
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.250 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

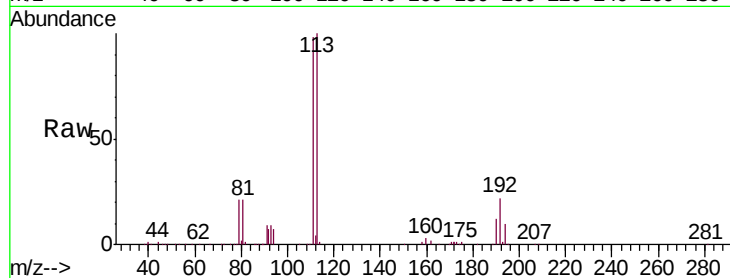
Tgt Ion:113 Resp: 173788

Ion Ratio Lower Upper

113 100

111 103.3 84.0 126.0

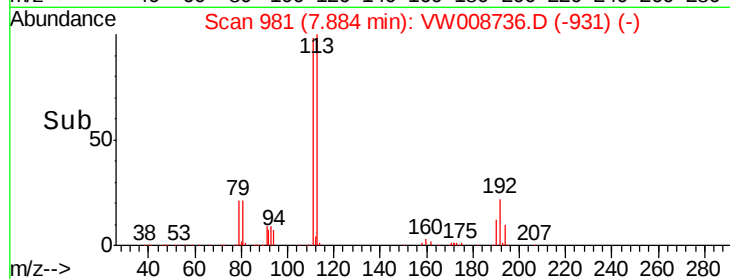
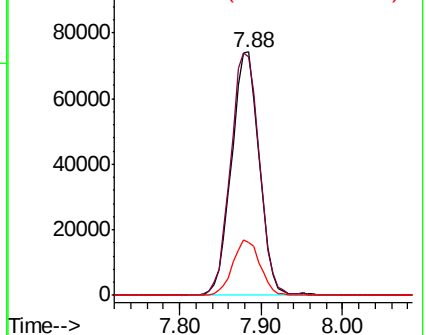
192 22.2 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.691 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

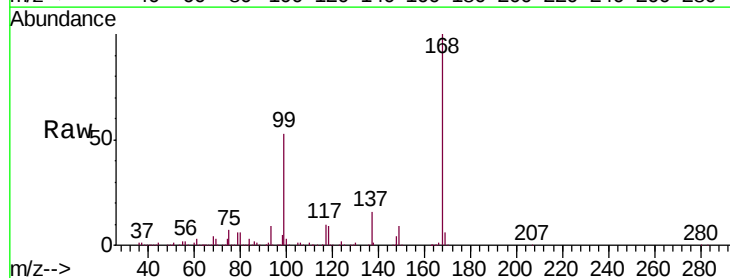
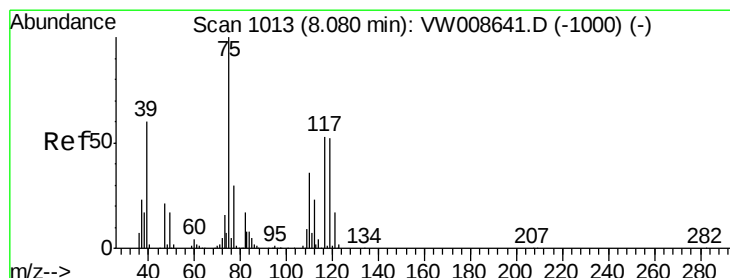
Tgt Ion: 75 Resp: 25739

Ion Ratio Lower Upper

75 100

110 12.2 17.8 53.3#

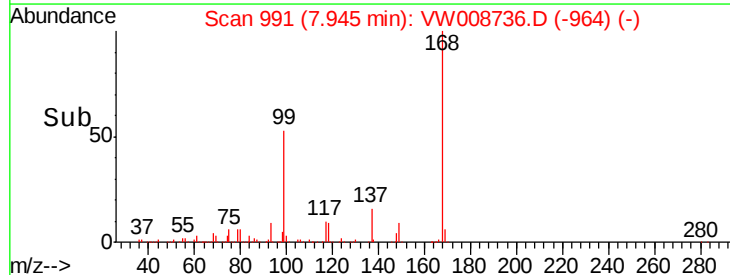
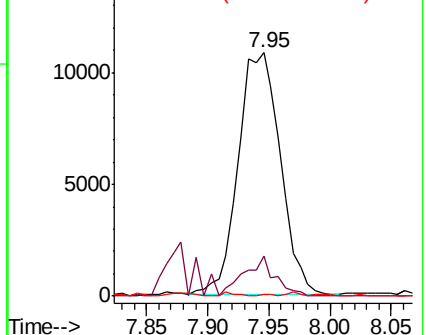
77 0.2 24.7 37.1#

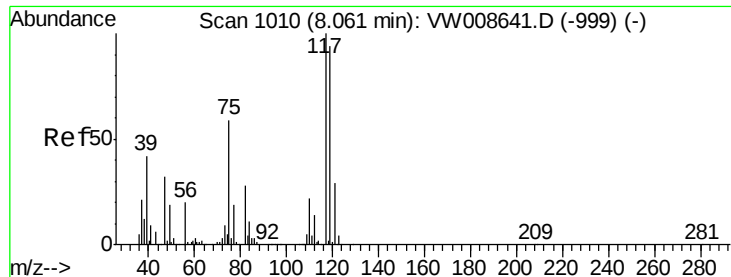


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

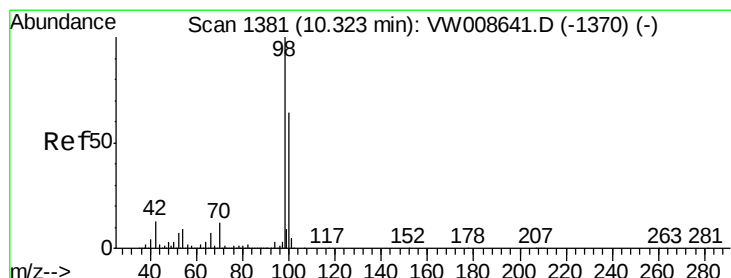
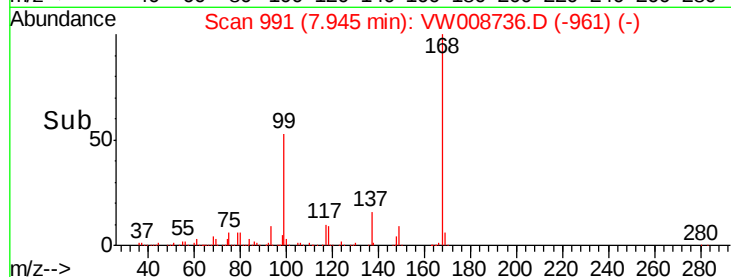
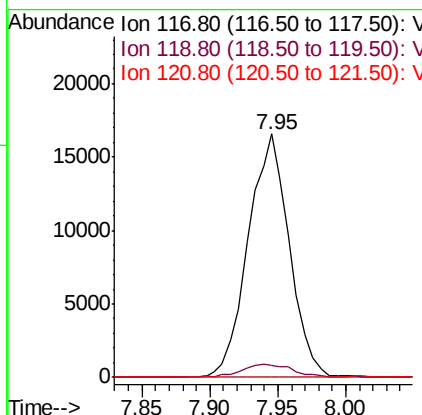
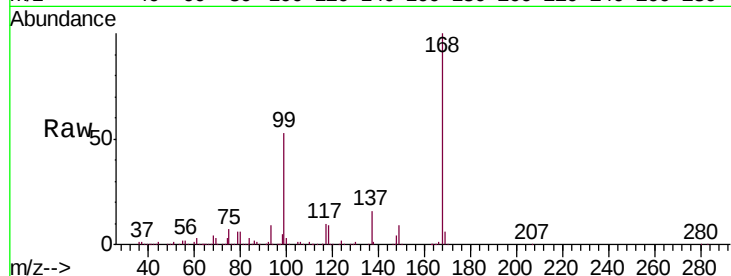




#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

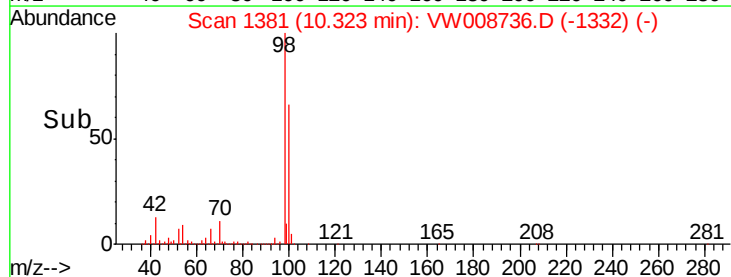
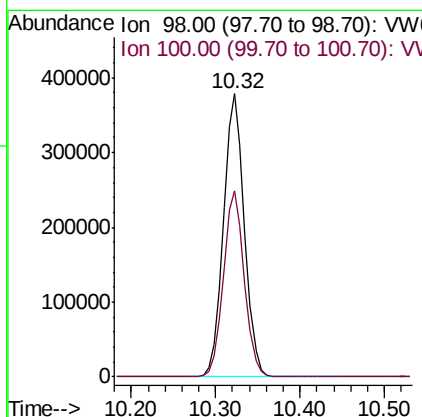
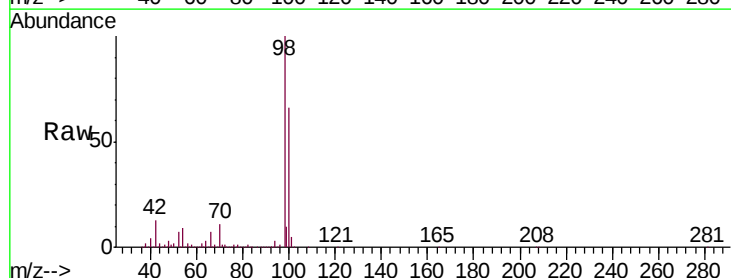
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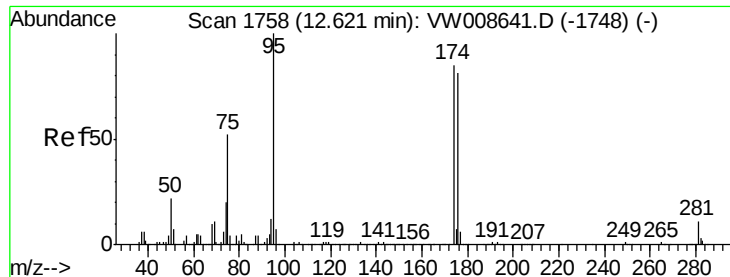
Tgt Ion:117 Resp: 34972
Ion Ratio Lower Upper
117 100
119 5.0 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.344 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

Tgt Ion: 98 Resp: 645021
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 40.101 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

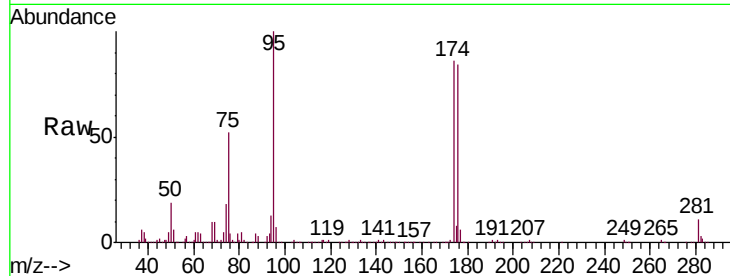
Tgt Ion: 95 Resp: 197449

Ion Ratio Lower Upper

95 100

174 87.0 0.0 163.2

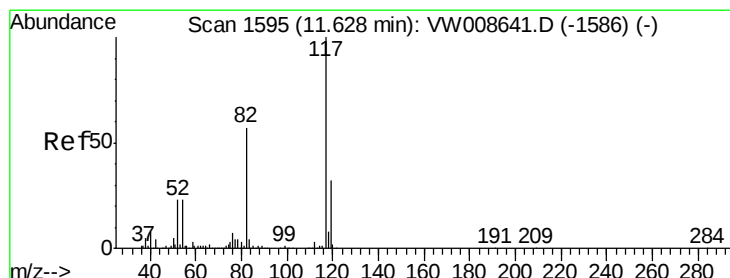
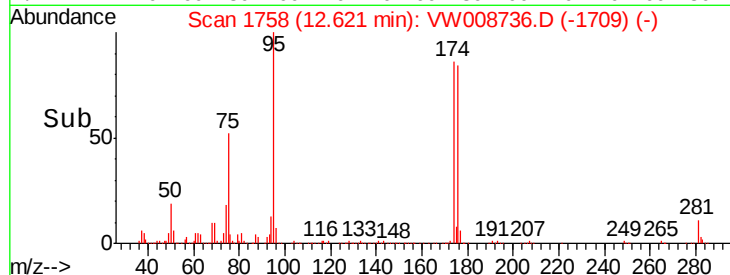
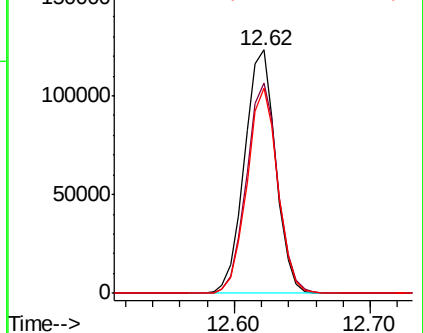
176 83.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

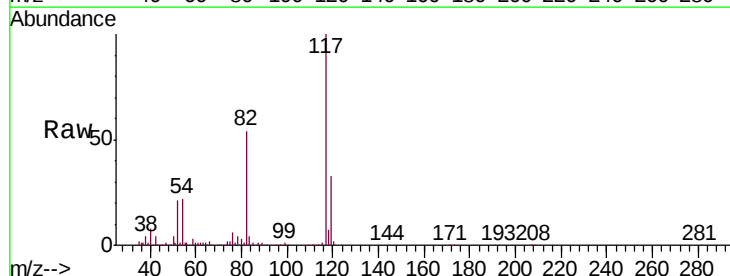
Tgt Ion: 117 Resp: 452663

Ion Ratio Lower Upper

117 100

82 53.8 45.6 68.4

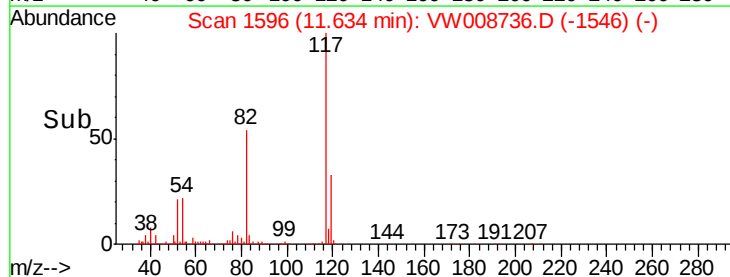
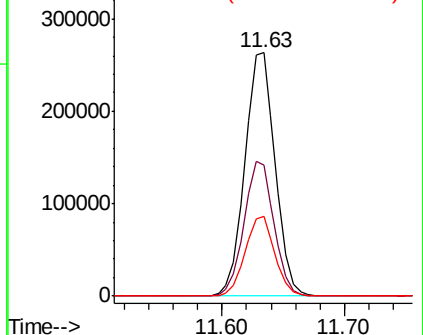
119 32.8 25.7 38.5

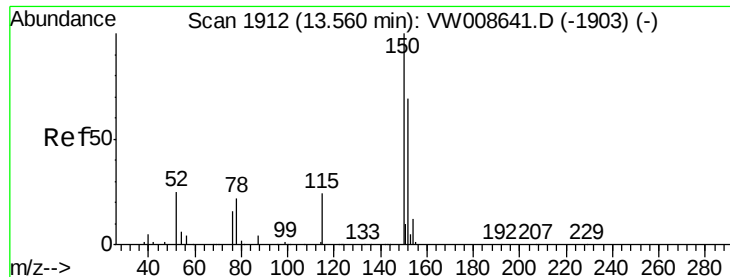


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



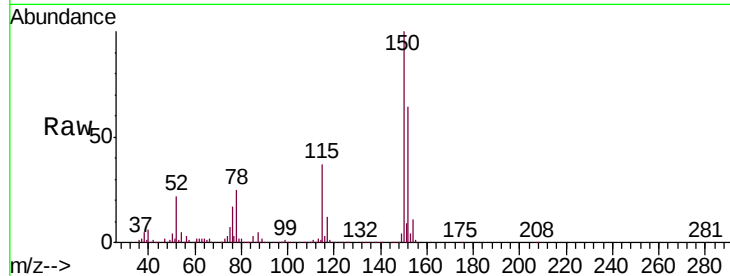


#72

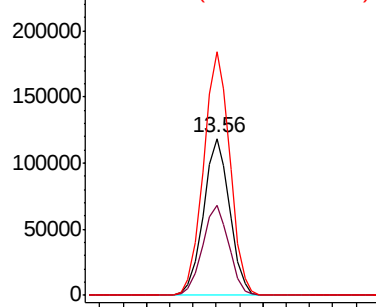
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

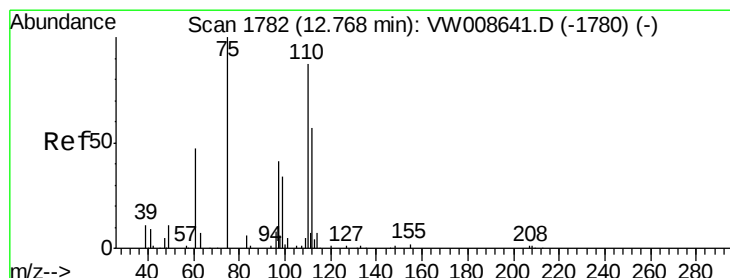
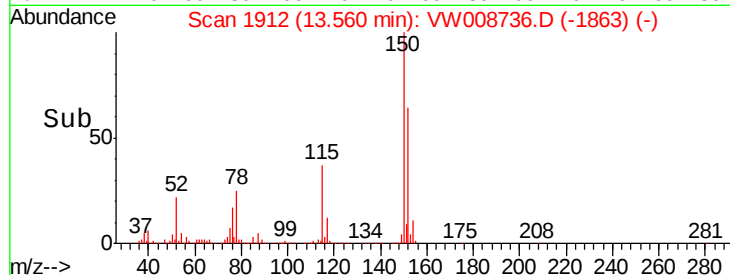
Tgt Ion: 152 Resp: 184634
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.8
150 156.9 0.0 352.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



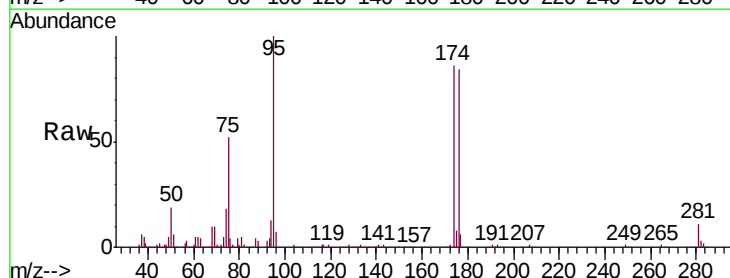
Time-->



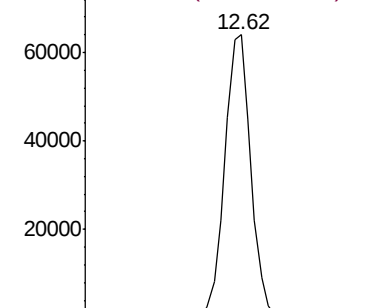
#76

1,2,3-Trichloropropane
Concen: 57.330 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008736.D
Acq: 18 Feb 2019 18:40

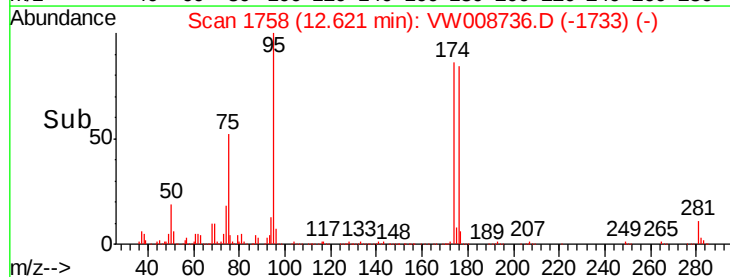
Tgt Ion: 75 Resp: 104523
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

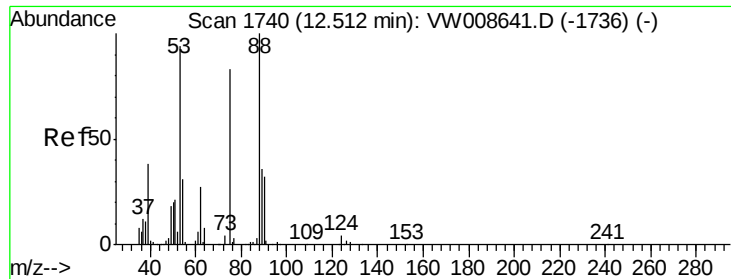


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 122.552 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008736.D

Acq: 18 Feb 2019 18:40

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

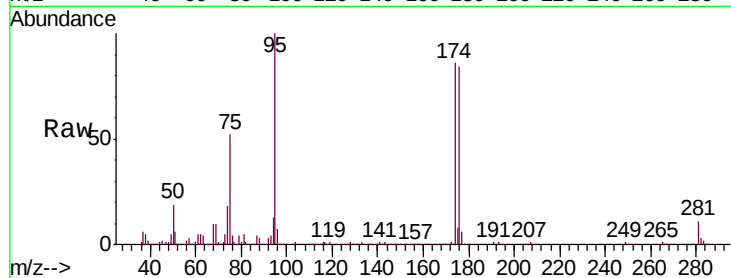
Tgt Ion: 75 Resp: 104523

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.3 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

